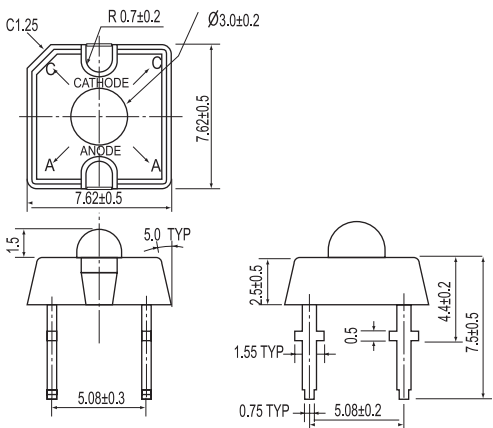


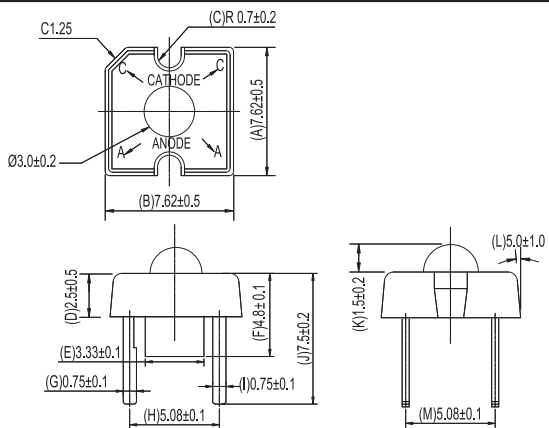
| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | If (mA) | VF (V) |      | Flux (lm) |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------|--------|------|-----------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            |         | Typ.   | Max. | Min.      | Typ. |                         |

### 3mm Power LED

UNIT: mm

|                                                                                   |         |                                                                                    |     |             |     |     |    |      |      |    |
|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|-----|-------------|-----|-----|----|------|------|----|
|  |         |  |     |             |     |     |    |      |      |    |
|  | RoHS    |                                                                                    |     |             |     |     |    |      |      |    |
| 30-01SUBC/MB                                                                      | InGaN   | SuperBlue                                                                          | 470 | Water Clear | 3.5 | 4.0 | 20 | 400  | 630  | 50 |
| 30-01SUBC/S463                                                                    | InGaN   | SuperBlue                                                                          | 470 |             | 3.5 | 4.0 | 20 | 400  | 630  |    |
| 30-01UBGC/MB                                                                      | InGaN   | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 | 20 | 630  | 1000 |    |
| 30-01UBGC/S463                                                                    | InGaN   | Bluish Green                                                                       | 505 |             | 3.5 | 4.0 | 20 | 630  | 1000 |    |
| 30-01SUGC/MB                                                                      | InGaN   | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 | 20 | 1000 | 1600 |    |
| 30-01SUGC/S463                                                                    | InGaN   | SuperGreen                                                                         | 525 |             | 3.5 | 4.0 | 20 | 1000 | 1600 |    |
| 30-01UYC                                                                          | AlGaInP | Super Yellow                                                                       | 589 |             | 2.4 | 3.0 | 70 | 990  | 1440 | 70 |
| 30-01UYC/S1029                                                                    | AlGaInP | Super Yellow                                                                       | 589 |             | 2.6 | 3.2 | 70 | 2500 | 3500 | 90 |
| 30-01/Y2C-AQSC                                                                    | AlGaInP | Super Yellow                                                                       | 589 |             | 2.6 | 3.2 | 70 | 4000 | 5600 | 70 |
| 30-01USOC                                                                         | AlGaInP | Super Sunset Orange                                                                | 615 |             | 2.4 | 3.0 | 70 | 990  | 1440 |    |
| 30-01/A2C-AQSC                                                                    | AlGaInP | Super Sunset Orange                                                                | 615 |             | 2.6 | 3.2 | 70 | 4000 | 5600 |    |
| 30-01SURC                                                                         | AlGaInP | Hyper Red                                                                          | 624 |             | 2.4 | 3.2 | 70 | 990  | 1440 |    |
| 30-01/R2C-AQSC                                                                    | AlGaInP | Hyper Red                                                                          | 624 |             | 2.6 | 3.2 | 70 | 3500 | 5000 | 90 |
| 30-01SURC/S1029                                                                   | AlGaInP | Hyper Red                                                                          | 631 |             | 2.6 | 3.2 | 70 | 3000 | 4000 |    |
| 30-01UWC/MB                                                                       | InGaN   | White                                                                              | —   |             | 3.5 | 4.0 | 20 | 500  | 800  |    |
| 30-01UWC/S463                                                                     | InGaN   | White                                                                              | —   |             | 3.3 | 4.0 | 20 | 630  | 1000 |    |

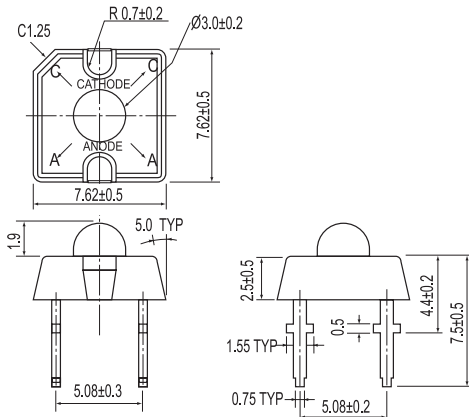
### 3mm Power LED (150mA Driving Current)

|                                                                                     |         |                                                                                      |     |             |     |     |      |      |       |    |
|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|-------------|-----|-----|------|------|-------|----|
|  |         |  |     |             |     |     |      |      |       |    |
|  | RoHS    |                                                                                      |     |             |     |     |      |      |       |    |
| 30-02UYC/S599                                                                       | AlGaInP | Super Yellow                                                                         | 589 | Water Clear | 150 | 2.4 | 2.75 | 9000 | 10000 | 50 |
| 30-02UYC/S598                                                                       | AlGaInP | Super Yellow                                                                         | 589 |             | 150 | 3   | 3.2  | 3000 | 4000  | 60 |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | I <sub>F</sub> (mA) | V <sub>F</sub> (V) |      | Flux (lm) |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------------------|--------------------|------|-----------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            |                     | Typ.               | Max. | Min.      | Typ. |                         |

3mm Power LED

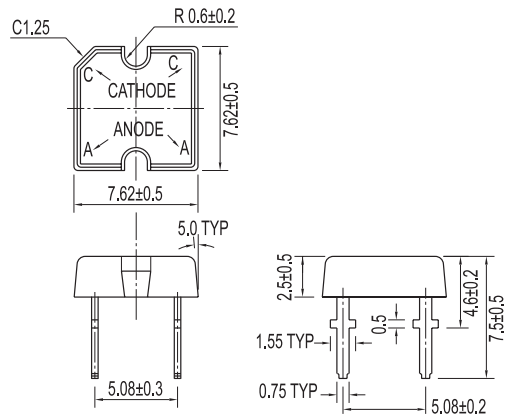
UNIT: mm

|                                                                                                                                                                                                  |         |                     |     |                                                                                    |    |     |     |      |      |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------|-----|------------------------------------------------------------------------------------|----|-----|-----|------|------|----|
|  <div>  <div>RoHS</div> </div> |         |                     |     |  |    |     |     |      |      |    |
| 31-01SUBC/MB                                                                                                                                                                                     | InGaN   | SuperBlue           | 470 | Water Clear                                                                        | 20 | 3.5 | 4.3 | 400  | 630  | 40 |
| 31-01SUBC/S463                                                                                                                                                                                   | InGaN   | SuperBlue           | 470 |                                                                                    | 20 | 3.5 | 4.0 | 400  | 630  |    |
| 31-01UBGC/MB                                                                                                                                                                                     | InGaN   | Bluish Green        | 505 |                                                                                    | 20 | 3.5 | 4.0 | 630  | 1000 |    |
| 31-01UBGC/S463                                                                                                                                                                                   | InGaN   | Bluish Green        | 505 |                                                                                    | 20 | 3.5 | 4.0 | 630  | 1000 |    |
| 31-01SUGC/MB                                                                                                                                                                                     | InGaN   | SuperGreen          | 525 |                                                                                    | 20 | 3.5 | 4.0 | 1000 | 1600 |    |
| 31-01SUGC/S463                                                                                                                                                                                   | InGaN   | SuperGreen          | 525 |                                                                                    | 20 | 3.5 | 4.0 | 1000 | 1600 |    |
| 31-01UYC                                                                                                                                                                                         | AlGaInP | Super Yellow        | 589 |                                                                                    | 70 | 2.4 | 3.0 | 990  | 1440 | 50 |
| 31-01UYC/S1029                                                                                                                                                                                   | AlGaInP | Super Yellow        | 589 |                                                                                    | 70 | 2.6 | 3.2 | 2500 | 3500 | 60 |
| 31-01/Y2C-AQSC                                                                                                                                                                                   | AlGaInP | Super Yellow        | 589 |                                                                                    | 70 | 2.6 | 3.2 | 4000 | 5600 | 50 |
| 31-01USOC                                                                                                                                                                                        | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 70 | 2.4 | 3.0 | 990  | 1440 |    |
| 31-01/A2C-AQSC                                                                                                                                                                                   | AlGaInP | Super Sunset Orange | 615 |                                                                                    | 70 | 2.6 | 3.2 | 4000 | 5600 |    |
| 31-01SURC                                                                                                                                                                                        | AlGaInP | Hyper Red           | 624 |                                                                                    | 70 | 2.4 | 3.0 | 990  | 1440 |    |
| 31-01/R2C-AQSC                                                                                                                                                                                   | AlGaInP | Hyper Red           | 624 |                                                                                    | 70 | 2.6 | 3.2 | 3500 | 5000 | 60 |
| 31-01SURC/S1029                                                                                                                                                                                  | AlGaInP | Hyper Red           | 631 |                                                                                    | 70 | 2.6 | 3.2 | 3000 | 4000 |    |
| 31-01UWC/MB                                                                                                                                                                                      | InGaN   | White               | —   |                                                                                    | 20 | 3.5 | 4.3 | 500  | 800  |    |
| 31-01UWC/S463                                                                                                                                                                                    | InGaN   | White               | —   |                                                                                    | 20 | 3.5 | 4.0 | 630  | 1000 | 50 |

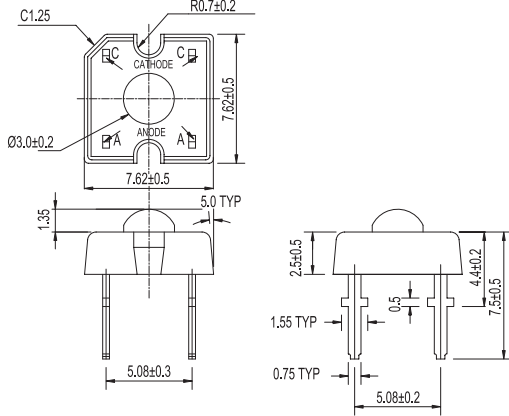
| Part Number<br>EL-xxxx | Chip     |               |         | Lens Color | If (mA) | VF (V) |      | Flux (lm) |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------|------------|---------|--------|------|-----------|------|-------------------------|
|                        | Material | Emitted Color | λd (nm) |            |         | Typ.   | Max. | Min.      | Typ. |                         |

Flat Power LED

UNIT: mm/inch

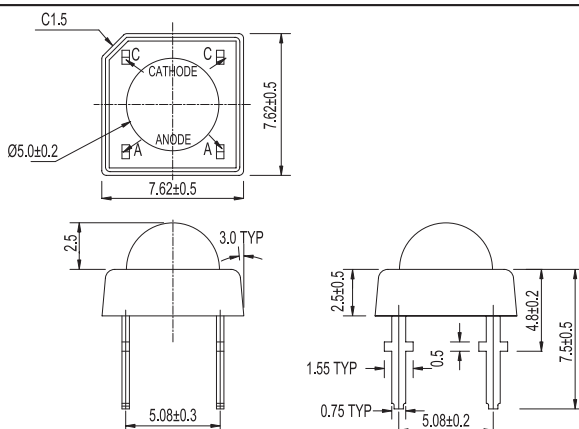
|                                                                                                                                                                             |         |                                                                                    |     |             |    |     |     |      |      |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|-----|-------------|----|-----|-----|------|------|-----|
| <br> RoHS |         |  |     |             |    |     |     |      |      |     |
| 32-01SUBC/MB                                                                                                                                                                | InGaN   | SuperBlue                                                                          | 470 | Water Clear | 20 | 3.5 | 4.3 | 240  | 360  | 120 |
| 32-01SUBC/S463                                                                                                                                                              | InGaN   | SuperBlue                                                                          | 470 |             | 20 | 3.5 | 4.0 | 240  | 360  | 130 |
| 32-01UBGC/MB                                                                                                                                                                | InGaN   | Bluish Green                                                                       | 505 |             | 20 | 3.5 | 4.3 | 360  | 600  | 120 |
| 32-01UBGC/S463                                                                                                                                                              | InGaN   | Bluish Green                                                                       | 505 |             | 20 | 3.5 | 4.0 | 360  | 600  | 130 |
| 32-01SUGC/MB                                                                                                                                                                | InGaN   | SuperGreen                                                                         | 525 |             | 20 | 3.5 | 4.3 | 600  | 960  | 120 |
| 32-01SUGC/S463                                                                                                                                                              | InGaN   | SuperGreen                                                                         | 525 |             | 20 | 3.5 | 4.0 | 600  | 960  | 130 |
| 32-01UYC                                                                                                                                                                    | AlGaInP | Super Yellow                                                                       | 589 |             | 70 | 2.4 | 3.0 | 600  | 860  | 120 |
| 32-01UYC/S1029                                                                                                                                                              | AlGaInP | Super Yellow                                                                       | 589 |             | 70 | 2.6 | 3.2 | 1500 | 2100 | 140 |
| 32-01/Y2C-AQSC                                                                                                                                                              | AlGaInP | Super Yellow                                                                       | 589 |             | 70 | 2.6 | 3.2 | 2400 | 3360 | 130 |
| 32-01USOC                                                                                                                                                                   | AlGaInP | Super Sunset Orange                                                                | 615 |             | 70 | 2.4 | 3.0 | 600  | 860  | 120 |
| 32-01/A2C-AQSC                                                                                                                                                              | AlGaInP | Super Sunset Orange                                                                | 615 |             | 70 | 2.6 | 3.2 | 2400 | 3360 | 130 |
| 32-01SURC                                                                                                                                                                   | AlGaInP | Hyper Red                                                                          | 624 |             | 70 | 2.4 | 3.0 | 600  | 860  | 120 |
| 32-01/R2C-AQSC                                                                                                                                                              | AlGaInP | Hyper Red                                                                          | 624 |             | 70 | 2.6 | 3.2 | 2100 | 3000 | 130 |
| 32-01SURC/S1029                                                                                                                                                             | AlGaInP | Hyper Red                                                                          | 631 |             | 70 | 2.6 | 3.2 | 1800 | 2400 | 140 |
| 32-01UWC/MB                                                                                                                                                                 | InGaN   | White                                                                              | —   |             | 20 | 3.5 | 4.3 | 300  | 480  | 130 |
| 32-01UWC/S463                                                                                                                                                               | InGaN   | White                                                                              | —   |             | 20 | 3.5 | 4.0 | 360  | 600  | 130 |

3mm Power LED

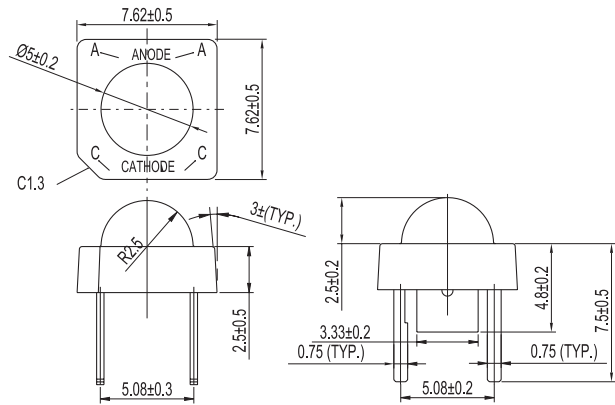
|                                                                                                                                                                                 |         |                                                                                      |     |             |    |     |     |      |      |    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|-------------|----|-----|-----|------|------|----|
| <br> RoHS |         |  |     |             |    |     |     |      |      |    |
| 33-01UYOC                                                                                                                                                                       | AlGaInP | Super Yellow Orange                                                                  | 605 | Water Clear | 70 | 2.4 | 2.6 | 3000 | 3800 | 90 |

| Part Number<br>EL-xxxx | Chip     |               |         | Lens Color | If (mA) | VF (V) |      | Flux (lm) |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------|------------|---------|--------|------|-----------|------|-------------------------|
|                        | Material | Emitted Color | λd (nm) |            |         | Typ.   | Max. | Min.      | Typ. |                         |

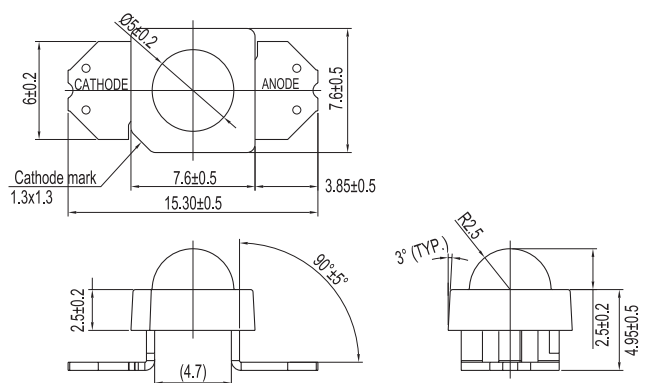
#### 5mm Power LED

|                                                                                   |                                                                                    |              |     |             |    |      |      |      |      |    |  |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------|-----|-------------|----|------|------|------|------|----|--|
|  |  |              |     |             |    |      |      |      |      |    |  |
| 34-01UYC/S400-A7                                                                  | AlGaInP                                                                            | Super Yellow | 589 | Water Clear | 70 | 2.03 | 3.2  | 1000 | 1850 | 80 |  |
| 34-01/Y2C-AQSC                                                                    | AlGaInP                                                                            | Super Yellow | 589 |             | 70 | 2.03 | 2.75 | 2500 | 4000 | 75 |  |

#### 5mm Power LED (150mA Driving Current)

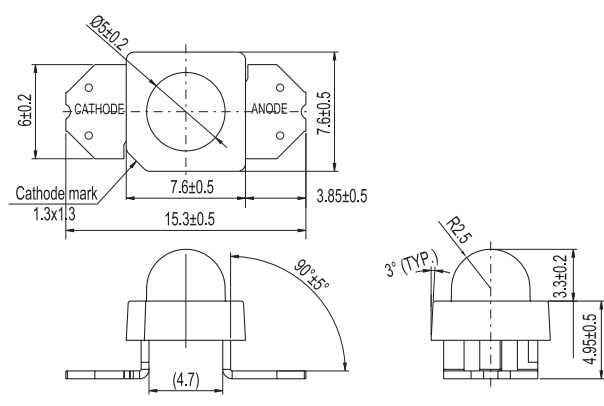
|                                                                                                                                                                                                                |         |                                                                                     |     |             |     |     |      |      |       |    |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|-----|-------------|-----|-----|------|------|-------|----|--|
|  <div> RoHS</div> <div>Preliminary</div> |         |  |     |             |     |     |      |      |       |    |  |
| 34-02UYC/S598                                                                                                                                                                                                  | AlGaInP | Super Yellow                                                                        | 589 | Water Clear | 150 | 3   | 3.2  | 3000 | 4000  | 80 |  |
| 34-02UYC/S599                                                                                                                                                                                                  | AlGaInP | Super Yellow                                                                        | 589 |             | 150 | 2.4 | 2.75 | 9000 | 10000 | 70 |  |

#### Solderless 5mm Power LED

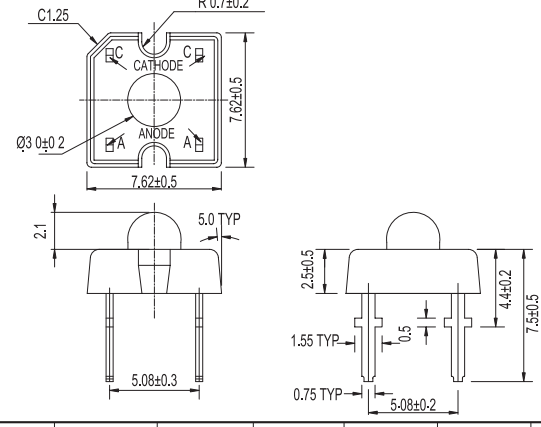
|                                                                                                                                                                                                                         |                                                                                      |                     |     |             |     |      |      |      |       |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------|-----|-------------|-----|------|------|------|-------|----|
|  <div> <span>RoHS</span></div> <p>Preliminary</p> |  |                     |     |             |     |      |      |      |       |    |
| 34-03UYC/S598                                                                                                                                                                                                           | AlGaInP                                                                              | Super Yellow        | 589 | Water Clear | 150 | 3    | 3.2  | 2000 | 2700  | 85 |
| 34-03UYC/S599                                                                                                                                                                                                           | AlGaInP                                                                              | Super Yellow        | 589 |             | 150 | 2.45 | 2.75 | 9000 | 10000 | 85 |
| 34-03USOC/S598                                                                                                                                                                                                          | AlGaInP                                                                              | Super Sunset Orange | 615 |             | 150 | 3    | 3.2  | 6000 | 7000  |    |
| 34-03SURC/S599                                                                                                                                                                                                          | AlGaInP                                                                              | Hyper Red           | 624 |             | 150 | 2.45 | 2.75 | 7000 | 8000  | 85 |

| Part Number<br>EL-xxxx | Chip     |               |                     | Lens Color | If (mA) | VF (V) |      | Flux (lm) |      | Viewing Angle<br>2θ 1/2 |
|------------------------|----------|---------------|---------------------|------------|---------|--------|------|-----------|------|-------------------------|
|                        | Material | Emitted Color | λ <sub>D</sub> (nm) |            |         | Typ.   | Max. | Min.      | Typ. |                         |

### Solderless 5mm Power LED

|                                                                                   |         |                                                                                    |     |             |     |      |      |      |       |    |
|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|-----|-------------|-----|------|------|------|-------|----|
|  |         |  |     |             |     |      |      |      |       |    |
|  |         | Preliminary                                                                        |     |             |     |      |      |      |       |    |
| 35-03UYC/S599                                                                     | AlGaInP | Super Yellow                                                                       | 589 | Water Clear | 150 | 2.45 | 2.75 | 9000 | 10000 | 30 |
| 35-03UYC/S598                                                                     | AlGaInP | Super Yellow                                                                       | 589 |             | 150 | 3    | 3.2  | 3000 | 4000  |    |
| 35-03USOC/S598                                                                    | AlGaInP | Super Sunset Orange                                                                | 615 |             | 150 | 3    | 3.2  | 6000 | 7000  |    |
| 35-03SURC/S599                                                                    | AlGaInP | Hyper Red                                                                          | 624 |             | 150 | 2.45 | 2.75 | 7000 | 8000  |    |

### 3mm Power LED

|                                                                                     |         |                                                                                      |     |             |    |     |     |      |      |    |
|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|-----|-------------|----|-----|-----|------|------|----|
|  |         |  |     |             |    |     |     |      |      |    |
|  |         |                                                                                      |     |             |    |     |     |      |      |    |
| 36-01/Y2C-AQSC                                                                      | AlGaInP | Super Yellow                                                                         | 589 | Water Clear | 70 | 2.6 | 3.2 | 4000 | 5600 | 20 |
| 36-01/R2C-AQSC                                                                      | AlGaInP | Hyper Red                                                                            | 624 |             | 70 | 2.6 | 3.2 | 3000 | 4000 | 20 |

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